

**PURDUE UNIVERSITY  
GRADUATE SCHOOL**

Minutes of the Graduate Council Meeting  
April 21, 2016  
1:30 p.m.

Seventh Meeting  
Room 310  
STEW

PRESENT: Mark J. T. Smith, chair; Council Members, Thomas W. Atkinson, Richard E. Blanton, Barrett S. Caldwell, Natalie J. Carroll, Joy L. Colwell, Lucy M. Flesch, Anne L. Fliotsos, Jonathan M. Harbor, Michael A. Jenkins, David B. Klenosky, Eric P. Kvam, Mark A. Lipton, Linda J. Mason, James L. Mohler, Donald Mueller, William Novshek, Kathryn M. Obenchain, Jerry P. Ross, Keith E. Schwingendorf, Carol S. Sternberger, Jon A. Story, Joseph Thomas III, Candiss B. Vibbert (Provost's Representative), Jane A. Walker, Jeffrey L. Whitten, Jun Xie, Yan Ping Xin, Howard N. Zelaznik, Andrew K. Zeller

APOLOGIES FOR ABSENCE RECEIVED FROM: Bedrich Benes, David S. Cochran, Carlos M. Corvalan, C. Kenneth Holford, James L. Mullins, M. Razi Nalim, David G. Skalnik

ABSENCES: Alejandro Cuza-Blanco, Suresh K. Mittal, Vikas Tomar, Chong Xiang

GUESTS: Debbie Fellure, Colleen Gabauer, Cyndi Lynch

I. MINUTES

The minutes of the March 24, 2016, Graduate Council meeting were approved as presented.

II. DEANS REMARKS AND REPORTS

- a) Dr. Mark Smith introduced Dr. Linda Mason, Associate Dean of the Graduate School and Professor of Entomology. Dr. Mason reported on The Three Minute Thesis (3MT™) competition held on Thursday, April 6, 2016. The 2016 3MT Awards were given to:
- 1<sup>st</sup> place: Jyoti Roy / Science - *Cancer: Targeted Drug Delivery*
  - 2<sup>nd</sup> place: Fa Wang / HHS - *Vitamin D: The Sunshine Vitamin for a Healthy Gut*
  - People's Choice: Heather Pasley / Ag - *Growing Sustainability in Africa*

b) Dr. Smith noted that two workshops were held on campus in April. One workshop was for department heads, provost, and deans on *Disruptive Behavior*. This workshop was an attempt to help educate faculty and those in leadership roles on how to improve the climate when situations become intense. The organizers went through several scenarios where people become agitated. They discussed different techniques and how to handle difficult situations.

The second workshop was on *Training Trainers* so people on campus can present similar workshops. Additional workshops of this type will be rolled out in order that all leaders be trained and prepared to handle difficult situations.

c) Dr. James Mohler gave a report on pending proposals in various stages of review and approval.

d) Dr. James Mohler gave a report on pending course proposals in review with the Graduate Council area committees, proposals awaiting additional information from proposers, course proposals requested by departments for removal, and new course proposals received since the previous Graduate Council meeting.

### III. PRESENTATION

Dr. James Mohler, Associate Dean of the Graduate School and Professor of Computer Graphics Technology, presented information on *iThenticate*.

#### Graduate School Requirement

- Effective September 1, 2014, a new certification was required when all dissertations and theses were deposited in the Graduate School.
- The degree candidate's major professor must certify in Section III of Graduate School Form 32:
  - "I certify that all author's manuscript was diagnostically reviewed by iThenticate on the date indicated below based on the results of the iThenticate diagnostic review; and, to the best of my knowledge, the manuscript includes original work of the author and, in good faith, I believe all content from other authors appearing in the thesis/dissertation has been properly quoted and attributed."

#### iThenticate

- Software created by iParadigms for the publishing industry to allow publishers to monitor for potential copyright infringement.
- Because it was created for publishers, they have provided software access to published text both on the open internet and digital content that is behind paywalls that would otherwise require a paid subscription to access.
- As a result, iThenticate is able to compare an uploaded document to a greater portion of the published literature than other software created to detect potential plagiarism.

### Detection of plagiarism

- Please note that no software can detect plagiarism.
- Software can detect text in an uploaded manuscript which is identical or nearly identical to text in the published literature.
- The existence of identical or nearly identical to text in the published literature.
- The judgment of a scholar experienced in the discipline is needed to determine whether the existence of identical text represents potential plagiarism.

### How it works...

- External service accessed via the browser
- Upload manuscript; review completed in 30-45 min
- Similarity Report is generated consisting of a color annotated copy of the manuscript
- Links within the report allow the reviewer to see how the annotated text appeared in the identified source document.
- Report can also be downloaded for archiving and review outside of the software.

### Notes on Using the Tool

- Use Folders to Organize
- Submission issues...file size limit of 4 MB
  - Remove all images
  - Remove formulas or other items causing file size increase
  - Truncate before abstract and after last chapter
- Can take longer to process later in the semester
- Unforgiving when email address changes
  - Must cancel one account and create another
- Poor at
  - Ignoring bibliography
  - Ignoring block quotes (and sometimes even inline quotes)

### What if thesis chapters were previously published as journal papers?

- Ensure permission to use in the thesis/dissertation
- List the publication in the publications list in the thesis
- Add a footnote or acknowledgement of the purposeful duplication
- Note: Determine what is acceptable overlap (if any) between thesis and dissertation

## IV. AREA COMMITTEE REPORTS (Area Committee Chairs)

*Graduate Council Document 16-D*, Graduate Council Documents Recommended for Approval:

### **Area Committee A, Behavioral Sciences (Jeffrey Whitten, chair; [jwhitten@purdue.edu](mailto:jwhitten@purdue.edu)):**

*Graduate Council Document 16-8a*, **AT 69000, Independent Study in Air**

**Transportation (PWL)**

*Graduate Council Document 16-1a*, **TECH 50801, Quality and Productivity in Industry and Technology (IUPUI)**

Dr. Jeffrey Whitten presented two courses for consideration. The courses were approved as a block by the council, upon a motion by Dr. Whitten.

**Area Committee C, Engineering, Chemistry, and Physical Sciences (Barrett Caldwell, chair; bscaldwell@purdue.edu):**

*Graduate Council Document 16-10b, ECE 50616, Physics and Manufacturing of Solar Cells (PWL)*

*Graduate Council Document 16-10c, ECE 50653, Fundamentals of Nanoelectronics (PWL)*

*Graduate Council Document 16-10a, ECE 60420, Radio Frequency Integrated Circuits (PWL)*

*Graduate Council Document 16-10d, ECE 60874, Mobile Computing Systems (PWL)*

*Graduate Council Document 14-17a, FIS 50800 Forensic Science Laboratory Management (IUPUI)*

Dr. Barrett Caldwell presented five courses for consideration. The courses were approved as a block by the council, upon a motion by Dr. Caldwell.

**Area Committee D, Humanities and Social Sciences (Richard Blanton, chair; blantonr@purdue.edu):**

*Graduate Council Document 16-12a, AAS 59000, Directed Readings in African American Studies (PWL)*

Dr. Richard Blanton presented one course for consideration. The course was approved by the council, upon a motion by Dr. Blanton.

**Area Committee E, Life Sciences (Jane Walker, chair; walkerj@purduecal.edu)**

*Graduate Council Document 16-7a, BMS 53400, Systemic Mammalian Physiology (PWL)*

Dr. Jane Walker presented one course for consideration. The course was approved by the council, upon a motion by Dr. Walker.

**Area Committee F, Management Sciences (Jun Xie, Chair; junxie@purdue.edu):**

*Graduate Council Document 16-3a, AGECE 52800, Global Change and the Challenge of Sustainably Feeding a Growing Planet (PWL)*

Dr. Jun Xie presented one course for consideration. The course was approved by the council, upon a motion by Dr. Xie.

**V. PURDUE GRADUATE STUDENT GOVERNMENT – PRESIDENT’S REPORT**

Mr. Andrew Zeller, President of the Purdue Graduate Student Government (PGSG) provided information regarding:

- Successful Graduate Student Appreciation Week
- Last Lectureship Series of the Year
- PGSG Operations External Review
- Graduate Student Bill of Rights

## VI. NEW BUSINESS

Dr. Jeffrey Whitten proposed a change to course proposals. The area committee chairs of the Graduate Council's Executive Committee recommended that a sample syllabus be required in all future course proposals effective July 1, 2016. Previously, the sample syllabus was optional; however, such a syllabus has been provided in many proposals. The rationale for this change is as follows:

- Historically, course proposals that include a sample syllabus have proven helpful to area committee members who may seek clarifications of various sections of the course proposal.
- University academic regulations require a syllabus for all courses.

The course proposal template (also known as "Supplemental Information for the Form 40G") will be amended as follows:

"A sample syllabus must be attached to all course proposals. The syllabus is helpful to review committees who wish to better understand some of the course characteristics and nuances that are described in the other sections of the proposal.

It is recognized that many course syllabi are based on earlier offerings of an Experimental version of the course, and that changes may have been introduced to the proposal based on experience in the earlier course offerings. This can create an unintended perception that the proposal is contradicted by the sample syllabus. Accordingly, please briefly describe any changes or clarification in the bullets below. Add bullets if necessary.

- [click here and type syllabus clarification]
- [click here and type syllabus clarification]
- [click here and type syllabus clarification]"

The proposed change to the supporting document was endorsed by the Council.

## VII. OLD BUSINESS

Dr. James Mohler reported on the Task Force on Graduate Majors – Implementation Document on behalf of Shawn Donkin, Chair. Dr. Mohler noted that a variety of groups have been involved with the implementation such as: Records, Admissions, the Office of the Registrar, and the Executive Committee of the Graduate Council.

Dr. Mohler presented the Form 28G, Request for a Major to the Council. The form mirrors the request for a concentration (Form 25). This form would be used to request the creation of a major or for a conversion of a concentration into a major. Dr. Mohler noted the

acknowledgement of the Major Title and the CIP Code on the form.

Dr. Mohler explained the process of the Form 28G:

- Area Committee chairs would check to make sure there are no departmental issues across the board
- Appropriate Area Committee would review the request
- Request is recommended for approval by the Graduate Council
- Dean of the Graduate School final approval (Provost has delegated this approval)

Dr. Mohler noted this *Policy and Academic Process for Request for Graduate Program Majors by Academic Units* will expectantly be approved by the Graduate Council at the May meeting.

### VIII. CLOSING REMARKS AND ADJOURNMENT

The council meeting was adjourned by Dr. Smith at 2:47 p.m.

Mark J. T. Smith, Chair

Tina L. Payne, Secretary

## APPENDIX A

### PENDING DOCUMENTS

(April 21, 2016)

#### **BOLDED ITEMS ARE IN REVIEW WITH AN AREA COMMITTEE**

Area Committee A, Behavioral Sciences (Jeffery L. Whitten, [jwhitten@purdue.edu](mailto:jwhitten@purdue.edu)):

***Graduate Council Document 16-8a, AT 69000, Independent Study in Air Transportation (PWL)***

*Graduate Council Document 13-9c, ECET 55800 Mechatronics System Design, Modeling & Integration, (PUC) Pending; additional information*

*Graduate Council Document 14-21a, MET 55000, Mechanical System Design and Integration for Mechatronics (PUC) Pending; additional documents*

***Graduate Council Document 16-1a, TECH 50801, Quality and Productivity in Industry and Technology (IUPUI)***

Area Committee C, Engineering, Chemistry, and Physical Sciences (Barrett Caldwell, chair; [bscaldwell@purdue.edu](mailto:bscaldwell@purdue.edu)):

***Graduate Council Document 16-10b, ECE 50616, Physics and Manufacturing of Solar Cells (PWL)***

***Graduate Council Document 16-10c, ECE 50653, Fundamentals of Nanoelectronics (PWL)***

***Graduate Council Document 16-10a, ECE 60420, Radio Frequency Integrated Circuits (PWL)***

***Graduate Council Document 16-10d, ECE 60874, Mobile Computing Systems (PWL)***

***Graduate Council Document 14-17a, FIS 50800 Forensic Science Laboratory Management (IUPUI)***

Area Committee D, Humanities and Social Sciences (Richard Blanton, chair; [blantonr@purdue.edu](mailto:blantonr@purdue.edu)):

***Graduate Council Document 16-12a, AAS 59000, Directed Readings in African American Studies (PWL)***

*Graduate Council Document 16-11a, CSR 53100, International Health (PWL), Pending review with the College of Health and Human Sciences*

*Graduate Council Document 16-11b, CSR 54300, Culture and Health (PWL), Pending review with the College of Health and Human Sciences*

*Graduate Council Document 16-11c, CSR 56000, Social Determinants of Health (PWL), Pending review with the College of Health and Human Sciences*

*Graduate Council Document 16-11d, CSR 56100, Human Rights and Social Justice (PWL), Pending review with the College of Health and Human Sciences*

*Graduate Council Document 16-11e, CSR 60100, Introduction to Health Disparities (PWL), Pending review with the College of Health and Human Sciences*

*Graduate Council Document 16-11f, CSR 66100, Theorizing Social Political and Economic Determinants of Health Disparities (PWL), Pending review with the College of Health and Human Sciences*

Area Committee E, Life Sciences (Jane Walker, chair; [walkerj@purduecal.edu](mailto:walkerj@purduecal.edu)):

*Graduate Council Document 14-15j*, BIOL 58610, Sensory Ecology (PWL), Pending; additional information

***Graduate Council Document 16-7a, BMS 53400, Systemic Mammalian Physiology (PWL)***

*Graduate Council Document 13-23a*, HSCI 57100 Molecular Imaging (PWL), Pending; additional information

*Graduate Council Document 15-33a*, NUTR 62600, Advanced Presentation Skills (PWL), Pending; additional information

*Graduate Council Document 15-33b*, NUTR 62700, Scientific Writing (PWL), Pending; additional information

Area Committee F, Management Sciences (Jun Xie, chair; [junxie@purdue.edu](mailto:junxie@purdue.edu)):

***Graduate Council Document 16-3a, AGECE 52800, Global Change and the Challenge of Sustainably Feeding a Growing Planet (PWL)***

***Graduate Council Document 15-13b, OLS 53010 Mixed Methods Research (IUPUI)***

### NEW DOCUMENTS RECEIVED

(After the April 21, 2016 Graduate Council Meeting)

Area Committee A, Behavioral Sciences (Jeffrey Whitten, chair; [jwhitten@purdue.edu](mailto:jwhitten@purdue.edu)):

***Graduate Council Document 16-21a, EDST 60100, Leadership for Community Collaboration & Development (PWL)*** Sem. 1 and 2. SS Lecture 1 time per week for 150 minutes. Distance Credit 3.

In this course, we will consider how school leaders can help develop and strengthen relationships between districts/corporations and their publics, for the mutual benefit of students, schools, families, and communities. Throughout selected core and supplemental district level educator standards of the Indiana Standards for School Leaders and the National Policy Board for Educational Administration are addressed. Emphasis is on the integration of theory and practice. Permission of Instructor. Professor Roegman.

***Graduate Council Document 16-14g, PSY 67400, Structural Equation Modeling (PWL)*** Sem. 1 and 2. Lecture 2 times per week for 75 minutes. Prerequisites: PSY 61000 is highly recommended but not required.

This is an advanced course in structural equation modeling (SEM), intended to provide doctoral students with an introductory treatment of the theory and methods of SEM. SEM is a statistical methodology that encompasses a wide variety of models, including path models, exploratory and confirmatory factor models, structural regression models, and latent growth models, among others. Professor South.



Area Committee E, Life Sciences (Jane Walker, chair; [walkerj@purduecal.edu](mailto:walkerj@purduecal.edu))

Graduate Council Document 16-22a, **HSCI 67200, MRI Quality Assurance Internship – Part 1** (PWL) Sem. 1. Lecture 1 time per week for 60 minutes for 7 weeks. Practice/Study/Observation 1-2 times per week for 180 minutes for 9 weeks. Prerequisites: HSCI 57000 (or equivalent course on MRI).

This internship course provides didactic training and practical experience in clinical diagnostic medical physics. Students will spend 3-4 hours per week learning the responsibilities of a medical physicist in MRI quality assurance (QA) such as MRI system performance testing, setting up weekly MRI QA procedures, analysis of MRI QA data, and annual clinical system evaluations. In Part I students will observe and review the weekly MRI QA tests performed by the MR Technologists on clinical MRI scanners and be involved with data analysis of these tests (image quality assessment, reporting). Annual MRI system performance evaluations of different clinical scanners will be observed and discussed. This includes assessing magnetic field homogeneity, slice position accuracy and slice thickness accuracy, and performance of radio frequency coil tests on the various coils available at different clinical MRI sites in the Indianapolis area. Students will also work as a team with the instructors on a course project to develop and evaluate advanced MR QA methods and procedures. Professor Dydak.

Graduate Council Document 16-22b, **HSCI 67300, MRI Quality Assurance Internship – Part 2** (PWL) Sem. 2. Practice/Study/Observation 1 time per week for 120-180 minutes for 16 weeks. Prerequisites: HSCI 67200.

This internship course provides didactic training and practical experience in clinical diagnostic medical physics. Students will spend 3-4 hours per week learning the responsibilities of a medical physicist in MRI quality assurance (QA) such as MRI system performance testing, setting up weekly MRI QA procedures, analysis of MRI QA data, and annual clinical system evaluations. In Part II of the course, MRI system performance evaluations of different clinical scanners will be performed by the students independently following the ACR guidelines. This includes assessing magnetic field homogeneity, slice position accuracy and slice thickness accuracy, and performance of radio frequency coil tests on the various coils available at different clinical MRI sites in the Indianapolis area. Students will also work as a team with the instructors on a course project to develop and evaluate advanced MR QA methods and procedures. Professors Lin and Dydak.